

beta1:	177	SHLVKCAEKEKTF	CVNGGECF	MVKDLSNP	SRYLCKCPNEFTG	DRCONV	MASFYKHLGIEF	MEAEELYQKR	SEQ ID NO: 1
alpha:	177	SHLVKCAEKEKTF	CVNGGECF	MVKDLSNP	SRYLCKCPNEFTG	ARCTEN	VFMKVQNER	-----AEELYQKR	SEQ ID NO: 2
beta2:	177	SHLVKCAEKEKTF	CVNGGECF	MVKDLSNP	SRYLCKCPNEFTG	DRCONV	MASFYK	-----AEELYQKR	SEQ ID NO: 3
beta3:	177	SHLVKCAEKEKTF	CVNGGECF	MVKDLSNP	SRYLCKCPNEFTG	DRCONV	MASFYSTSTPF	LSLPE	SEQ ID NO: 4
ndfa2:	177	SHLIKCAEKEKTF	CVNGGECF	TVKDLSNP	SRYLCKCPNEFTG	ARCTEN	VFMKVQTK	-----AEELYQKR	SEQ ID NO: 5
ndfb1:	177	SHLIKCAEKEKTF	CVNGGECF	TVKDLSNP	SRYLCKCPNEFTG	DRCONV	MASFYKHLGIEF	MEAEELYQKR	SEQ ID NO: 6
ndfb2:	177	SHLIKCAEKEKTF	CVNGGECF	TVKDLSNP	SRYLCKCPNEFTG	DRCONV	MASFYK	-----AEELYQKR	SEQ ID NO: 7
ndfb3:	177	SHLIKCAEKEKTF	CVNGGECF	TVKDLSNP	SRYLCKCPNEFTG	ARCTEN	VFMFYSTSTPF	LSLPE	SEQ ID NO: 8
ndfb4:	177	SHLIKCAEKEKTF	CVNGGECF	TVKDLSNP	SRYLCKCPNEFTG	ARCTEN	VFPMFYSMTSR	RKRQETEKPLERKLFHSLVKESK	SEQ ID NO: 9
ggf :	358	SHLVKCAEKEKTF	CVNGGECF	MVKDLSNP	SRYLCKCPNEFTG	DRCONV	MASFYSTSTPF	LSLPE	SEQ ID NO: 10
smdf :	232	SHLVKCAEKEKTF	CVNGGECF	MVKDLSNP	SRYLCKCPNEFTG	DRCONV	MASFYSTSTPF	LSLPE	SEQ ID NO: 11
gamma:	704	SHLVKCAEKEKTF	CVNGGECF	MVKDLSNP	SRYLCKCPNEFTG	DRCONV	MASFYSTSTPF	LSLPE	SEQ ID NO: 12
aria :	136	SHLTCKDIKQKAF	CVNGGECY	MVKDLPN	PRYLCKCPNEFTG	DRCONV	MASFYKHLGIEF	MEAEELYQKR	SEQ ID NO: 13

#

FIG. 1

Alanine Scan of HRG EGF-like Domain on ErbB-3 and ErbB-4

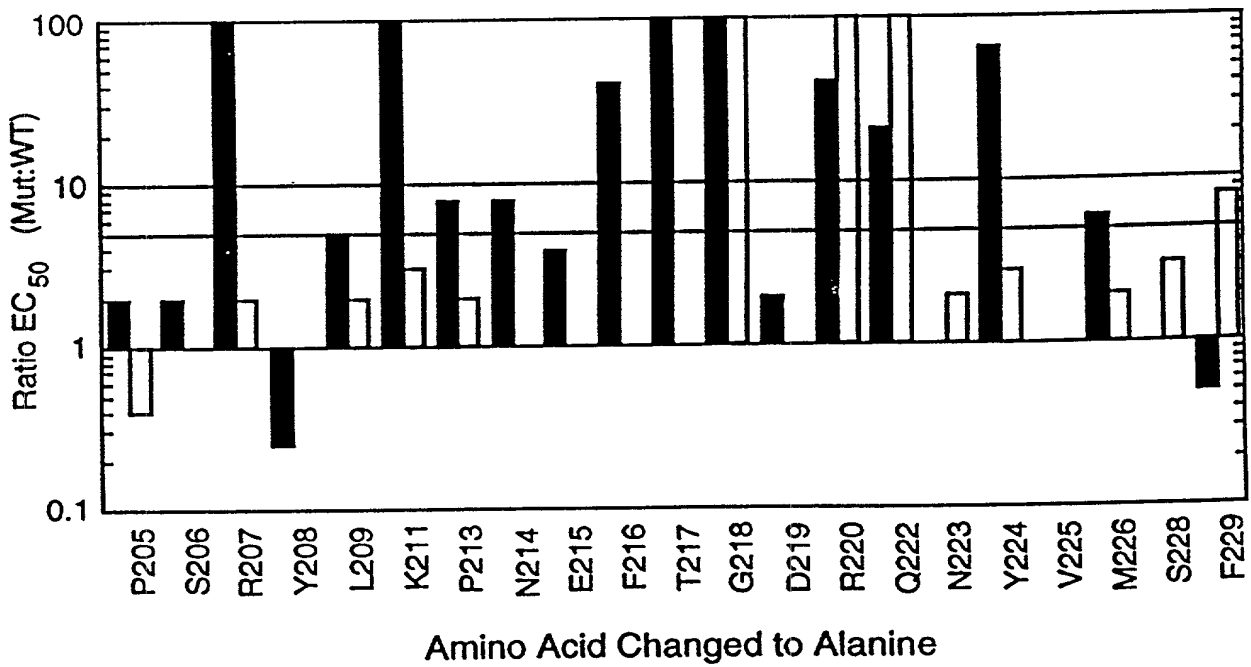
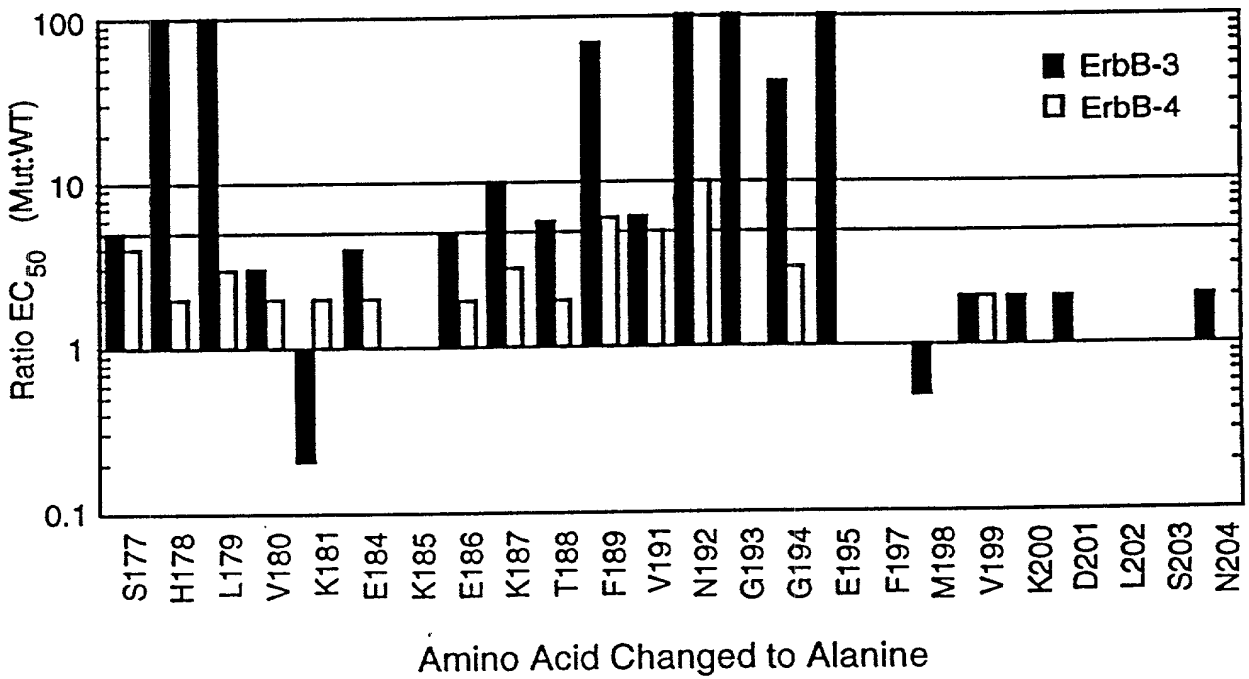


FIG. 2

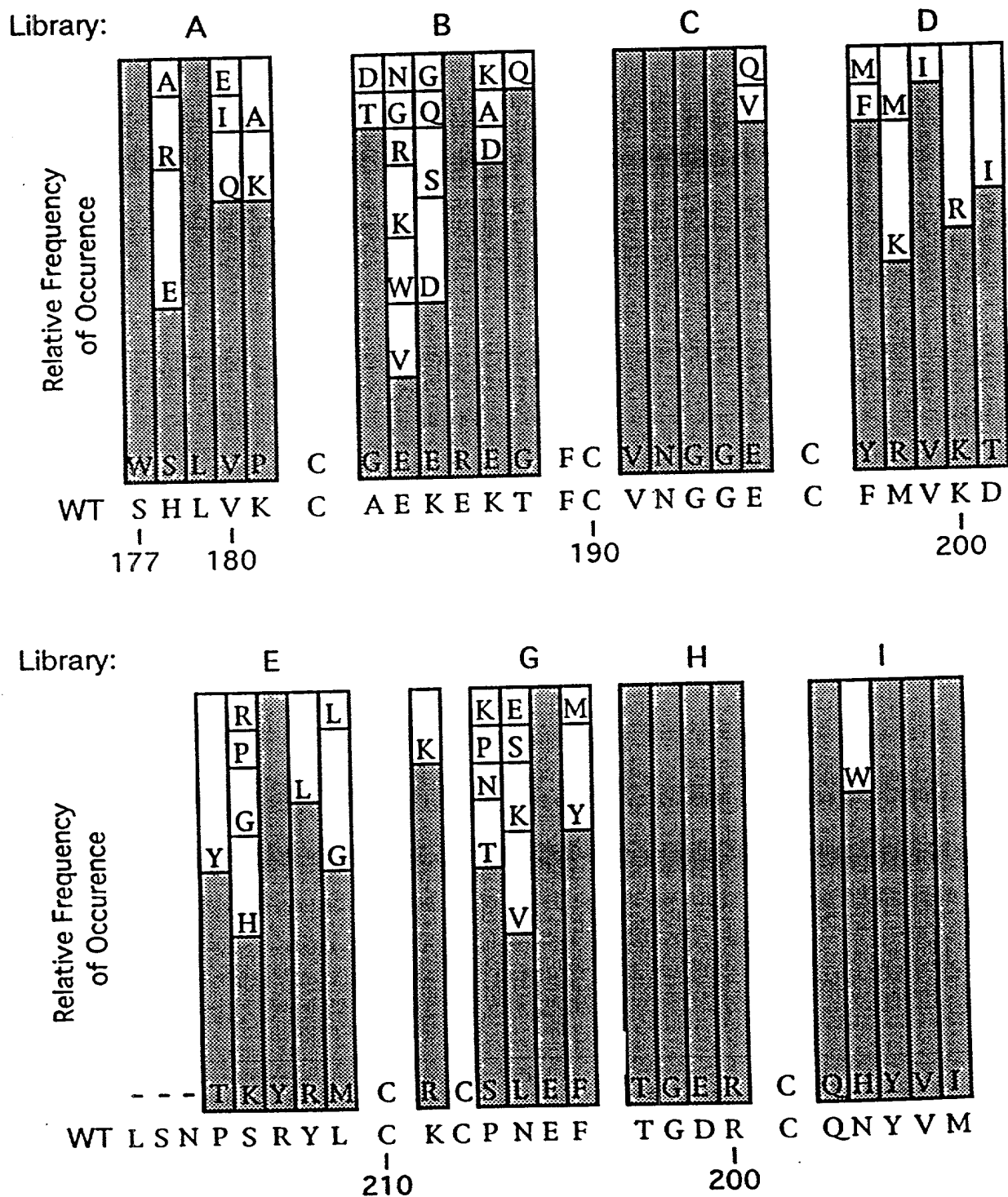


FIG. 3

	177	180		190	200	210	220	228					
HRG8	SHLVK	FC	VNGGE	C	FMVKD	LSNPSRYL	C	KCPNEF	TGDR	C	QNYVM	AS	SEQ ID NO: 92
HRG63	.....	.....	.....	.....	.....	---	.....	.....	.....	.....	.....	.....	SEQ ID NO: 14
EGF	NSDSE	Y.	LHD.V	MYIEA	---	LDK.A	N.VVGY	I.E.	YRDL	R	.....	.....	SEQ ID NO: 15
	1	10		20		30		40		48			
HRG 90	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	SEQ ID NO: 16
HRG 37	WE...P	GWDREG	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	SEQ ID NO: 17
HRG 38	WE...P	.....	.....	YK.RI	---	YGYLEM	.....	.....	.....	.....	.....	.....	SEQ ID NO: 18
HRG 40	WE...P	GWDREG	.....	YK.RI	---	YGYLEM	.....	.....	.....	.....	.....	.....	SEQ ID NO: 19
HRG 41	WE...P	GWDREG	.....	YK.RI	---	YRYRM	.....	.....	.....	.....	.....	.....	SEQ ID NO: 20
HRG 48	.....	.....	.....	.....	---	YGYLEM	.....	.....	.....	.....	.....	.....	SEQ ID NO: 21
HRG 53	.....	G.EREG	.....	YR.KT	.....	.....	.....	.....	.....	.....	.....	.....	SEQ ID NO: 22
HRG 54	.....	G.EREG	.....	.....	---	YGYLEM	.....	.....	.....	.....	.....	.....	SEQ ID NO: 23
HRG 55	.....	G.EREG	.....	YR.KT	---	YGYLEM	.....	.....	.....	.....	.....	.....	SEQ ID NO: 24
HRG 56	.....	G.EREG	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	SEQ ID NO: 25
HRG 57	.....	.....	.....	YR.KT	---	YGYLEM	.....	.....	.....	.....	.....	.....	SEQ ID NO: 26
HRG 58	.....	.....	.....	YR.KT	---	YGYLEM	.....	.....	.....	.....	.....	.....	SEQ ID NO: 27
HRG 59	.....	.....	.....	YR.KT	.....	.....	.....	.....	.....	.....	.....	.....	SEQ ID NO: 28
HRG 60	.....	G.EREG	.....	YR.KT	.....	.....	.....	.....	.....	.....	.....	.....	SEQ ID NO: 29
HRG 61	.....	G.EREG	.....	.....	---	YGYLEM	.....	.....	.....	.....	.....	.....	SEQ ID NO: 30
HRG 62	G.EREG	YR.KT	---	YGYLEM	SEQ ID NO: 31
HRG 71	YR.KT	---	YGYLEM	SEQ ID NO: 32
HRG 73	G.EREG	YR.KT	---	YGYLEM	SEQ ID NO: 33

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FIG. 4